

Item Number	C2106
Item	Calcium Lactate, Pentahydrate, USP, FCC, EP
CAS Number	5743-47-5
Molecular Formula	C ₆ H ₁₀ CaO ₆ •5H ₂ O
Molecular Weight	308.30
MDL Number	
Synonyms	Lactic Acid Calcium Salt ; 2-Hydroxypropanoic Acid Calcium Salt

Test	Specification	
	Min	Max
APPEARANCE		
ASSAY (DRIED BASIS)	98.0	101.0%
LOSS ON DRYING (EP)	22.0	27.0%
LOSS ON DRYING (USP)	22.0	27.0%
VOLATILE FATTY ACIDS	NO ODOR OF FATTY ACID	
ELEMENTAL IMPURITIES	AS REPORTED	
LEAD (Pb)		2 mg/kg
MAGNESIUM AND ALKALI SALTS		1.0%
APPEARANCE OF SOLUTION	NO MORE TURBIDITY OR COLOR THAN STANDARD	
ACIDITY OR ALKALINITY (EP)		2.0 ml
ACIDITY (USP)		0.45 %
CHLORIDES		200 ppm
SULFATES (EP)		400 ppm
IRON		50 ppm
FLUORIDE		0.0015%
IDENTIFICATION A (USP)	POSITIVE FOR CALCIUM	
IDENTIFICATION B (USP)	SPECTRUM MATCHES REFERENCE	
IDENTIFICATION : C (EP)	POSITIVE FOR LACTATE	
IDENTIFICATION : D (EP)	22.0	27.0%
IDENTIFICATION E (FCC)	POSITIVE FOR LACTATE	
IDENTIFICATION F (EP)	POSITIVE FOR CALCIUM	
RETEST DATE		
MANUFACTURE DATE		

Test	Specification	
	Min	Max
RESIDUAL SOLVENTS	AS REPORTED	
MONOGRAPH EDITION		
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MONOGRAPH EDITION..		

Spectrum Chemical Mfg Corp

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